

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification								DATE: February 2000		
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07					R-1 ITEM NOMENCLATURE Joint Spectrum Center (JSC)/0303153K					
COST (in millions)		FY99	FY00	FY01	FY02	FY03	FY04	FY05	Cost to Complete	Total Cost
Joint Spectrum Center (JS1)		8.756	8.757	8.735	9.241	9.523	9.728	9.936	Contg	Contg

A. Mission Description and Budget Item Justification: The Joint Spectrum Center (JSC) serves as the DOD focal point for electromagnetic (EM) spectrum management matters in support of the Unified Commands, Joint Staff, Assistant Secretary of Defense for Command, Control, Communications and Intelligence (ASD (C³I)), Military Departments, and Defense Agencies in planning, acquisition, training, and operations. The JSC reports operationally to Defense Information Systems Agency (DISA). The JSC is the responsible activity for DOD spectrum management and use automation for strategic, theater, and tactical operations. The JSC has the responsibility for architecture and standardization of DOD automated spectrum information and management systems. Specifically, the Center designs, develops, and maintains DOD automated spectrum management systems, evaluation tools, and databases employed by the Unified Commands, Military Departments, and Defense Agencies. The JSC databases are the prime sources of information for DOD use of the EM spectrum. The JSC provides guidance and assistance to Office of Assistant Secretary of Defense (OASD) C³I, Joint Staff, DOD activities and Unified Commands to ensure development and acquisition of electromagnetically compatible systems and for the effective deployment of these systems in military operations. This Center is the focal point for spectrum related support, Electromagnetic Environmental Effects (E³), and EM interference resolution assistance to operational units including deployable support to CINC Joint Task Forces. The JSC mission is integral to other vital activities such as Information Operations (IO), Command and Control (C2) Protect and other defensive C3 warfare activities as directed by the Joint Staff. This program element is under Budget Activity 07 because it supports operational systems development.

FY 1999 Accomplishments:

- o Provided Spectrum Technical/Analytical Support to OASD(C³I)/Joint Staff/Office of Spectrum Analysis and Management(OSAM) (1st Qtr - 4th Qtr \$1.721M)
- o Provided Spectrum Management Information Systems Support to include release of initial version SPECTRUM XXI (1st Qtr - 4th Qtr \$4.124M)
- o Provided Support for Development of E3 Program (1st Qtr - 4th Qtr \$2.911M)
- o Total \$8.756M

Page 1 of 4

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification									DATE: February 2000	
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07					R-1 ITEM NOMENCLATURE Joint Spectrum Center (JSC)/0303153K					
COST (in millions)		FY99	FY00	FY01	FY02	FY03	FY04	FY05	Cost to Complete	Total Cost
Joint Spectrum Center (JS1)		8.756	8.757	8.735	9.241	9.523	9.728	9.936	Contg	Contg

FY 2000 Plans:

- o Spectrum Technical/Analytical Support to OASD(C³I)/Joint Staff/OSAM (1st Qtr - 4th Qtr; \$1.630M)
- o Spectrum Management Information Systems (1st Qtr - 4th Qtr; \$3.860M)
- o E3 Program Development (1st Qtr - 4th Qtr; \$3.267M)
- o Total \$8.757M

FY 2001 Plans:

- o Continue Spectrum Technical/Analytical Support to OASD(C³I)/Joint Staff/OSAM (1st Qtr - 4th Qtr; \$1.480M)
- o Continue Spectrum Management Information Systems (1st Qtr - 4th Qtr; \$3.975M)
- o Continue E3 Program Development (1st Qtr - 4th Qtr; \$3.280M)
- o Total \$8.735M

B. Program Change Summary:

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (FY 2000)	8.813	8.823	8.884
Appropriated Value	8.839	8.823	
Adjustments to Appropriated Value	-.083	-.041	
Congressional Rescission		-.025	
Adjustments to Budget Year Since FY 2000 President's Budget			-.149
Current Budget Submit/President's Budget (FY 2001)	8.756	8.757	8.735

Change Summary Explanation:

FY99 decrease due to Congressional adjustments to the Defense-wide RDT&E appropriation and below threshold reprogramming.

FY00 decrease due to Government-wide rescission and other below threshold reprogramming.

FY01 decrease due to revised fiscal guidance.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification									DATE: February 2000	
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07					R-1 ITEM NOMENCLATURE Joint Spectrum Center (JSC)/0303153K					
COST (in millions)		FY99	FY00	FY01	FY02	FY03	FY04	FY05	Cost to Complete	Total Cost
Joint Spectrum Center (JS1)		8.756	8.757	8.735	9.241	9.523	9.728	9.936	Contg	Contg

C. Other Program Funding Summary:

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>Cost to Complete</u>
O&M	14.191	14.081	13.619	13.775	14.114	14.435	14.764	Contg

D. Acquisition Strategy: Engineering support services for the JSC are provided by contract. No in-house government capability exists nor is it practical to develop one that can provide the expertise necessary to fulfill the mission and responsibilities of the JSC. The period of the current cost plus award fee contract ends 30 September 2000. Full and open competition will be used for acquisition of follow-on contract(s).

E. Schedule Profile:

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
	<u>1 2 3 4</u>	<u>1 2 3 4</u>	<u>1 2 3 4</u>	<u>1 2 3 4</u>	<u>1 2 3 4</u>	<u>1 2 3 4</u>	<u>1 2 3 4</u>
Exercised Yr 2 Option	X						
Commerce Business Notice New Contract(s)		X					
Contract Award(s)			X				
Contract Performance Begins				X			

Page 3 of 4

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3 Cost Analysis								DATE: February 2000		
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07		PROGRAM ELEMENT Joint Spectrum Center/0303153K			PROJECT NAME AND NUMBER Joint Spectrum Center/JS1					
Cost Category	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Contractor Engineering/TechnicalSpt	C/CPAF	IIT Research Inst Annapolis, MD	6.737	6.794	10/99				13.531	13.531
GFE	C/CPAF	IIT Research Inst Annapolis, MD	.400	.400					.800	.800
Contractor Engineering/TechnicalSpt	C/CPFF	Various	1.619	1.563	10/99				3.182	3.182
Contractor Engineering/TechnicalSpt	TBD	TBD				8.735	TBD	TBD	TBD	TBD
Subtotal Test & Evaluation			8.756	8.757		8.735				
Total			8.756	8.757		8.735		Contg	Contg	Contg
Remarks: Contract for effort beyond FY 00 to be determined (TBD)PY's effort preceding FY99 primarily funded under Air Force PE 0303144F and under funds managed by Navy.										
Page 4 of 4										

UNCLASSIFIED